QIPE IAP58
SEP 2 5 2006
PATENT & TRADEMARK OFFICE

# OVERALL PROCESS

Figure 1

Provider (Candidates)

Purchaser Data Entry Process [4

Purchaser (Clients)

Provider Data Entry Process [2

Purchaser Order Entry Process [6

Clustered WWW Servers [10

Reporting Process

Resume Data Storage Object [12

Provider General Data Storage Object [14

Purchaser General Data Storage Object [16

Position/Job Order Data Storage Object [18

General Tracking and Statistical Data Storage Object [20

Billing Process [30

Accounting Data Storage [32

SELECTION and FILTRATION Process [22

Provider Feedback Process [26

Accepted Decision

Purchaser Feedback Process [28

Interview and Engagement Process [24

BEST AVAILABLE COPY
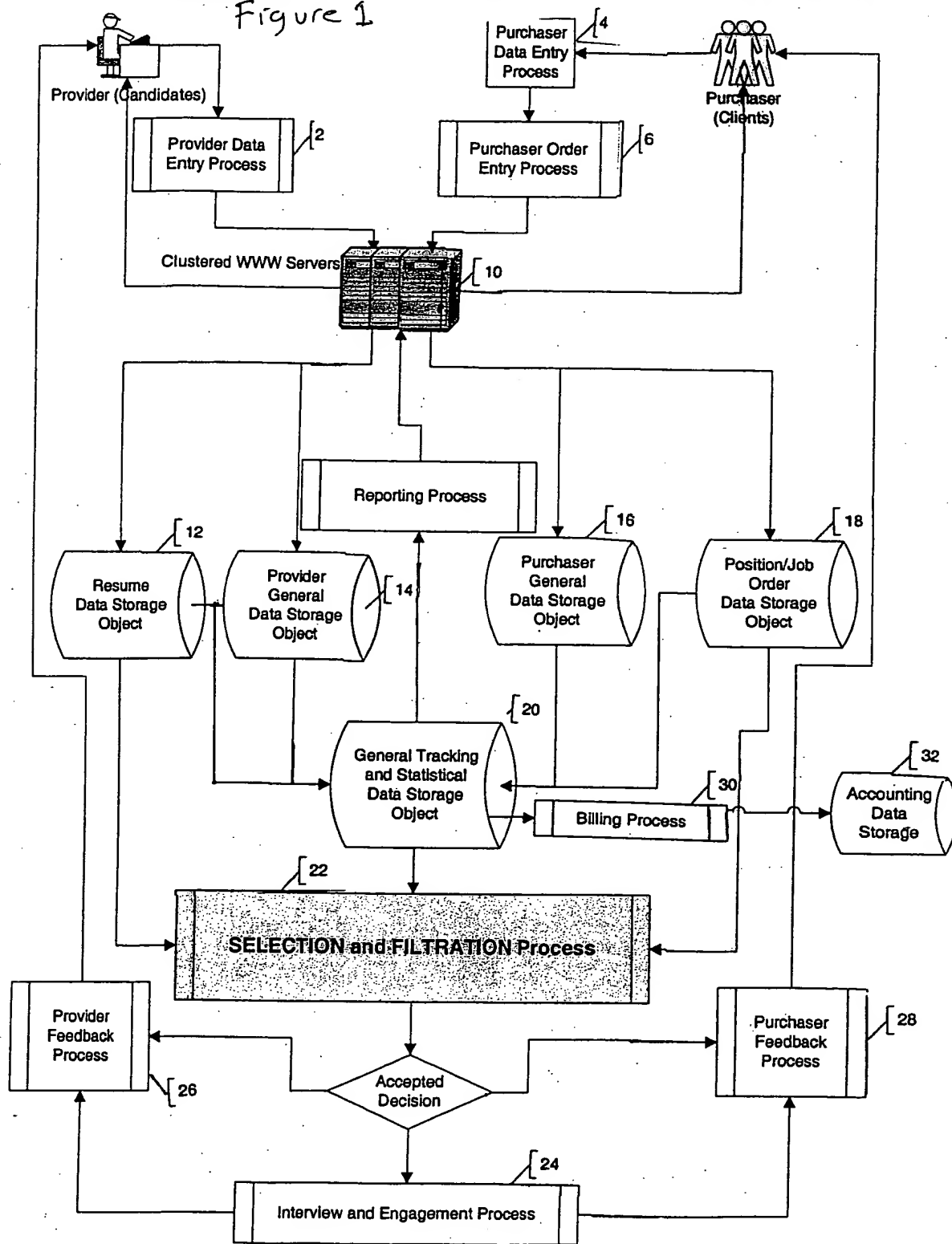
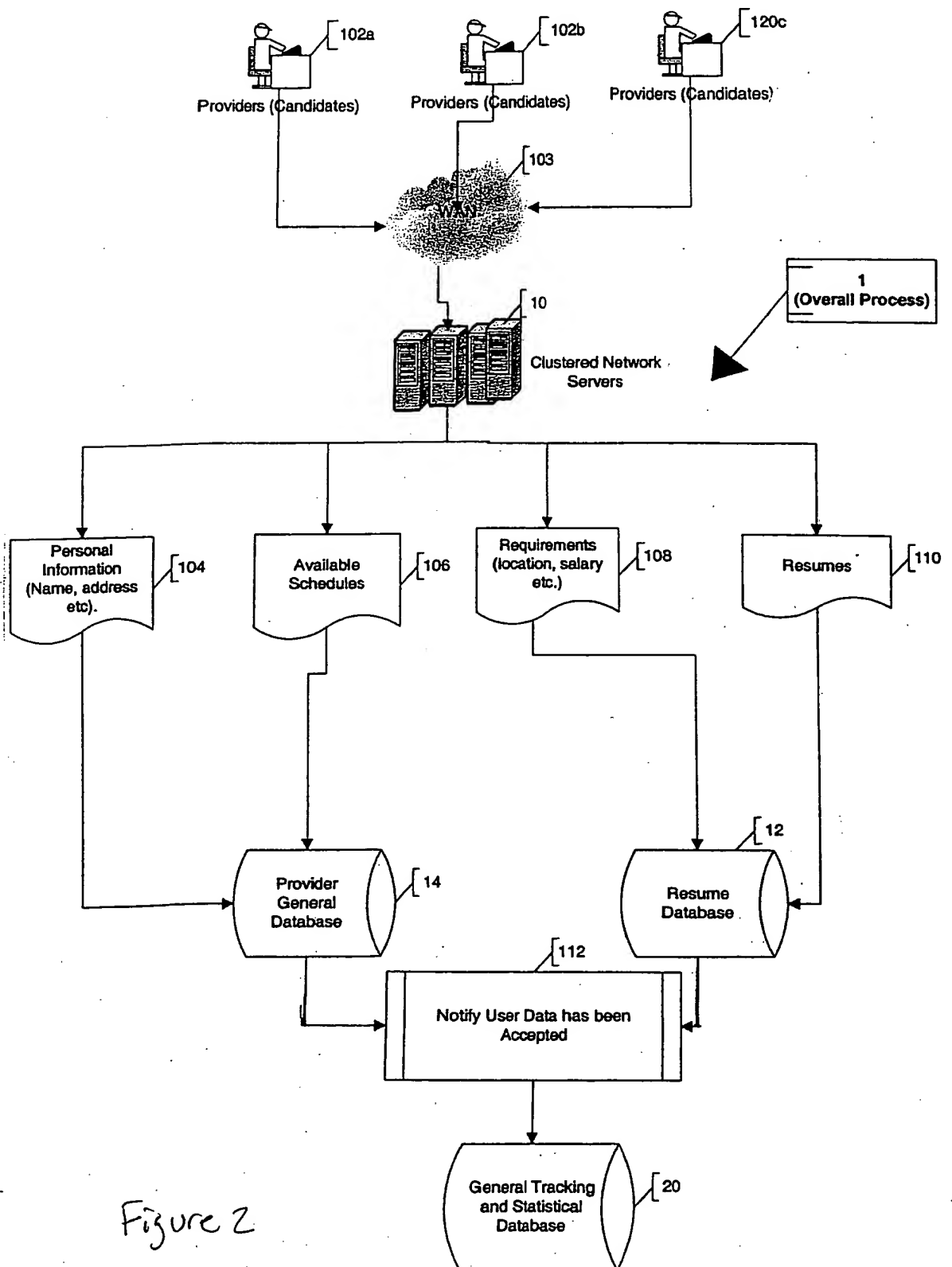# Provider Data Entry Process



Figure 2

# Purchaser and Order Data Entry Process



FIGURE 3
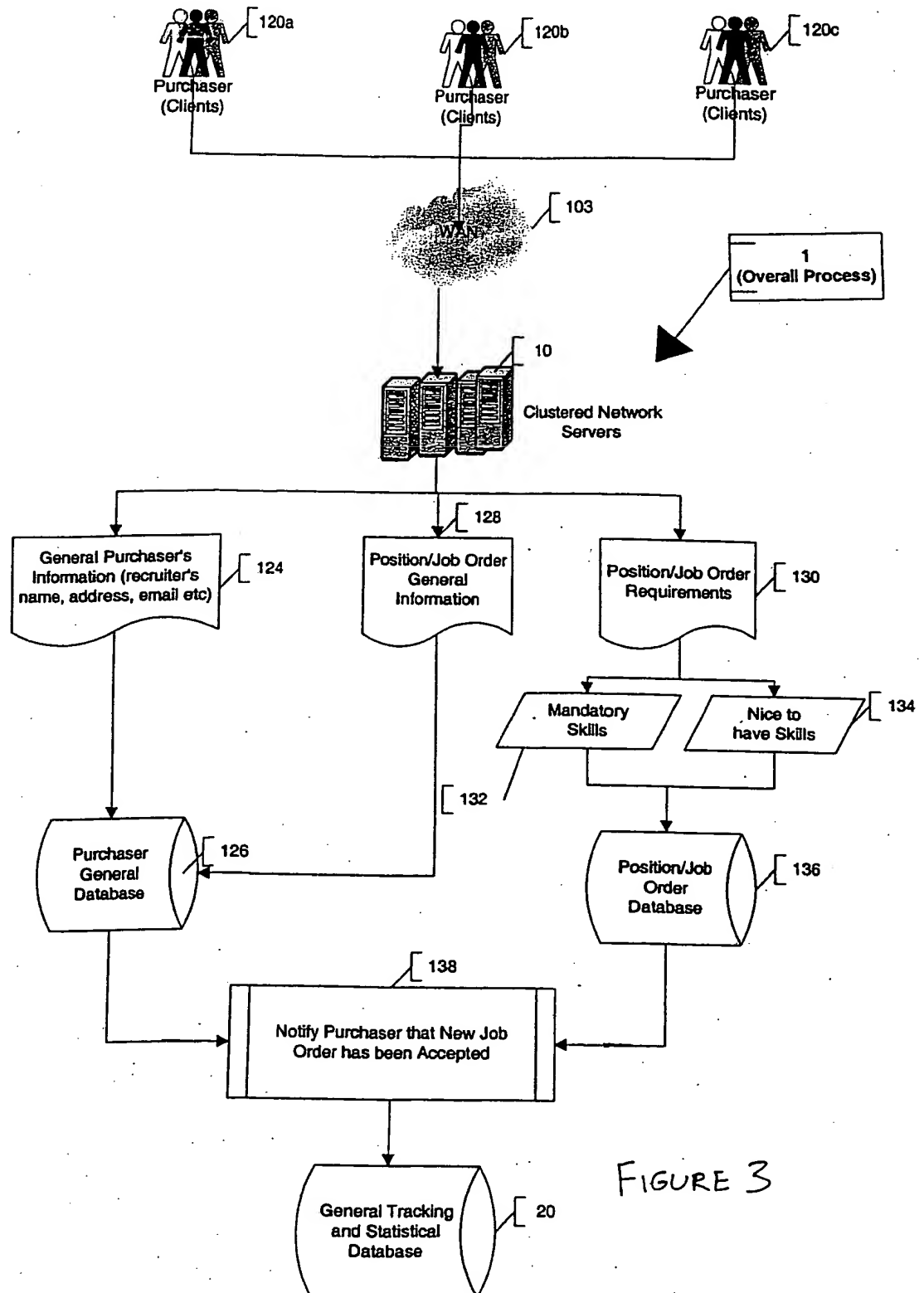
Figure 4

Figure 4.1 System staff

| Staff ID |
| --- |
| Password |
| Level of Access |
| User First Name |
| User Last Name |
| Title |
| Department |
| Street Address 1 |
| Street Address 2 |
| City |
| State |
| Postal Code |
| Country |
| Phone |
| Email |
| Roll #1 |
| Roll #2 |

Figure 4.2 System default steps

| System Default Step ID |
| --- |
| Step name |
| Assigned Staff Type |
| Assigned Staff ID |
| Notice to Provider |
| Notice to Staff |
| Provider Data Entry Process |
| Staff Data Entry Process |
| Max Time to Start Provider Data Entry |
| Max Time to Start Staff Data Entry |
| Max Time to Finish Provider Data Entry |
| Max Time to Finish Staff Data Entry |
| Threshold Score(s) for this Step |
| Action if Below Threshold Score(s) |
| # of Days to Accumulate Providers |
| Min # of Providers at Threshold Score(s) |
| Max # of Providers at Threshold Score(s) |
| Measurement Period (# of Days to Measure Rate) |
| Min # of Providers above Threshold per Measurement Period |
| Max # of Providers above Threshold per Measurement Period |
| Action After Data Received |

## Figure 5. Purchaser Database

### Figure 5.1. Purchasers

| Purchaser ID |
|---|
| Purchaser Category |
| Administrator First Name |
| Administrator Last Name |
| Title |
| Department |
| Company |
| Street Address 1 |
| Street Address 2 |
| City |
| State |
| Postal Code |
| Country |
| Phone |
| Email |
| Billing Method |
| Billing Frequency |
| Billing Amount |
| Other billing fields... |
| Account Balance |
| Account Current? |
| Staff in Charge (Related Staff ID) |
| Date created |
| Date suspended |

### Figure 5.3. Purchaser Default Steps

| Purchaser Default Step ID |
|---|
| Related Purchaser ID |
| Assigned Staff Type |
| Assigned Staff ID |
| Step Name |
| Notice to Provider |
| Notice to Staff |
| Provider Data Entry Process |
| Staff Data Entry Process |
| Max Time to Start Provider Data Entry |
| Max Time to Start Staff Data Entry |
| Max Time to Finish Provider Data Entry |
| Max Time to Finish Staff Data Entry |
| Threshold Score(s) for this Step |
| Action if Below Threshold Score(s) |
| # of Days to Accumulate Providers |
| Min # of Providers at Threshold Score(s) |
| Max # of Candidates at Threshold Score(s) |
| Measurement Period (# of Days to Measure Rate) |
| Min # of Providers above Threshold per Measurement Period |
| Max # of Providers above Threshold per Measurement Period |
| Action After Data Received |

### Figure 5.2 Purchaser Staff

| Staff ID |
|---|
| Related Purchaser ID |
| Password |
| Level of Access |
| User First Name |
| User Last Name |
| Title |
| Department |
| Street Address 1 |
| Street Address 2 |
| City |
| State |
| Postal Code |
| Country |
| Phone |
| Email |
| Roll #1 |
| Roll #2 |

## Figure 6. Order Database

### Figure 6.1 Orders

| Order ID |
| --- |
| Related Purchaser ID |
| Priority Level |
| # of Positions to Fill |
| # of Positions Filled |
| Interviewer #1 (Related Purchaser Staff ID) |
| Interviewer #2 (Related Purchaser Staff ID) |
| Interviewer #3 (Related Purchaser Staff ID) |
| Decision Maker #1 (Related Purchaser Staff ID) |
| Decision Maker #2 (Related Purchaser Staff ID) |
| Decision Maker #3 (Related Purchaser Staff ID) |
| Warning Purchaser Staff #1 (Related Purchaser Staff ID) |
| Warning Purchaser Staff #2 (Related Purchaser Staff ID) |
| Urgent Purchaser Staff ID #1 (Related Purchaser Staff ID |
| Urgent Purchaser Staff ID #2 (Related Purchaser Staff ID |
| Warning System Purchaser Staff #1 (Related System Staff ID) |
| Warning System Purchaser Staff #2 (Related System Staff ID) |
| Urgent System Staff #1 (Related System Staff ID) |
| Urgent System Staff #2 (Related System Staff ID) |
| Desired Resume Keywords |
| Required Candidate Attributes |
| Knock-out Candidate Attributes |
| Date created |
| Date suspended |
| Date completed |
| Order Type |
| Starting Date |
| Order Length |
| Order Location City |
| Order Location State |
| Order Location Country |
| Order Mode |
| Pay Range - from |
| Pay Range – to |
| Years Experience Required |
| Immigration Status Requirement |
| Education Level Requirement |
| Certification Requirement |

### Figure 6.2  Order Default Steps

| Order Default Step ID |
| --- |
| Related Order ID |
| Step Name |
| Assigned Staff Type |
| Assigned Staff ID |
| Notice to Provider |
| Notice to Staff |
| Provider Data Entry Process |
| Staff Data Entry Process |
| Max Time to Start Provider Data Entry |
| Max Time to Start Staff Data Entry |
| Max Time to Finish Provider Data Entry |
| Max Time to Finish Staff Data Entry |
| Threshold Score(s) for this Step |
| Action if Below Threshold Score(s) |
| # of Days to Accumulate Providers |
| Min # of Providers at Threshold Score(s) |
| Max # of Providers at Threshold Score(s) |
| Measurement Period (# of Days to Measure Rate) |
| Min # of Providers above Threshold per Measurement Period |
| Max # of Providers above Threshold per Measurement Period |
| Action After Data Received |

(Note: Figure 6.3 does not exist.)

### Figure 6.4 Order Categories

| Order Category record ID |
| --- |
| Related Order ID |
| Related Order Category ID |
| Level of Order Category |

### Figure 6.5 Technologies

| Technology record ID |
| --- |
| Related Order ID |
| Related Technology ID |
| Required? |

### Figure 6.6 Products

| Product Record ID |
| --- |
| Related Order ID |
| Related Product ID |
| Required? |

Figure 7. Providers Database

Figure 7.1 Provider

| Provider ID |
|---|
| Date Provider Created |
| Title |
| Department |
| Company |
| Street Address 1 |
| Street Address 2 |
| City |
| State |
| Postal Code |
| Country |
| Phone |
| Email |

Figure 7.3 Virtual Provider
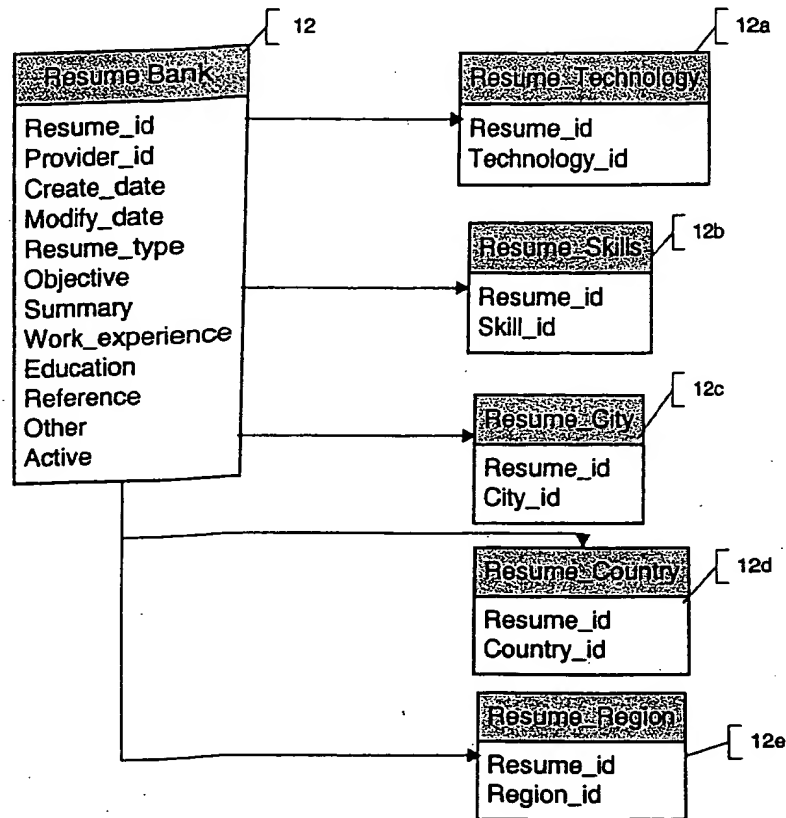
| Virtual Provider ID |
|---|
| Related Provider ID |
| Related Order ID |
| Current Step # |
| Current Score(s)... |
| Current Provider Status Code |
| Date Virtual Provider Created |
| Date Virtual Provider Eliminated |
| Elimination Reason Code |
| Date Successful |
| Date Offer Issued |
| Date Accepting Offer |
| Date Formalized |
| Formalized Status Code |

Figure 7.2 Virtual Provider Steps

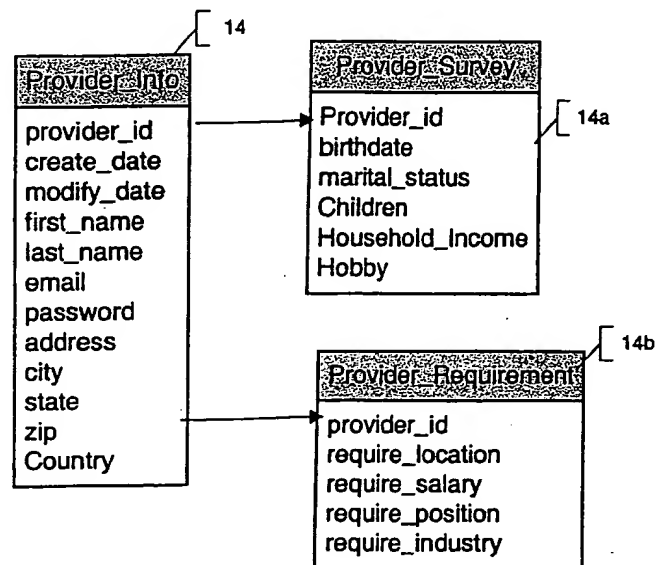| Virtual Provider Step ID |
|---|
| Related Virtual Provider ID |
| Step Name |
| Assigned Staff Type |
| Assigned ID |
| Notice to Provider |
| Notice to Staff |
| Provider Data Entry Process |
| Staff Data Entry Process |
| Max Time to Start Provider Data Entry |
| Max Time to Start Staff Data Entry |
| Max Time to Finish Provider Data Entry |
| Max Time to Finish Staff Data Entry |
| Threshold Score(s) for this Step |
| Action if Below Threshold Score(s) |
| Action After Data Received |
| Current Step Status Code |
| Date Step Reached |
| Date Step Started |
| Date First Notices Sent |
| Date Second Notices Sent |
| Date All Responses Received |
| Date Timed-Out |
| Date Human Intervention Called For |
| Date Step Completed |

# Database Schema - Resume Data Objects

Figure 8

**Resume Bank** ⌐ 12

Resume_id
Provider_id
Create_date
Modify_date
Resume_type
Objective
Summary
Work_experience
Education
Reference
Other
Active

**Resume Technology** ⌐ 12a

Resume_id
Technology_id

**Resume Skills** ⌐ 12b

Resume_id
Skill_id

**Resume City** ⌐ 12c

Resume_id
City_id

**Resume Country** ⌐ 12d

Resume_id
Country_id

**Resume Region** ⌐ 12e

Resume_id
Region_id

# Database Schema - Provider General Data Objects

Figure 9

[ 14

**Provider Info**

provider_id
create_date
modify_date
first_name
last_name
email
password
address
city
state
zip
Country

**Provider Survey**

Provider_id
birthdate
marital_status
Children
Household_Income
Hobby

[ 14a

**Provider Requirement**

provider_id
require_location
require_salary
require_position
require_industry

[ 14b

09/973,251

# Database Schema - Purchaser General Data Objects

Figure 10

**Purchaser Info** [16]

purchaser_id
first_nane
last_name
email
address
city
state
zip

**Purchaser Clients** [16a]

client_id
purchaser_id
client_name
email
address
city
state
zip
country
active

**Purchaser Client Configuration** [16b]

config_id
client_id
receive_email_directly
receive_provider_contact
receive_resume_attachment
receive_resume_encrypted
receive_news_letter
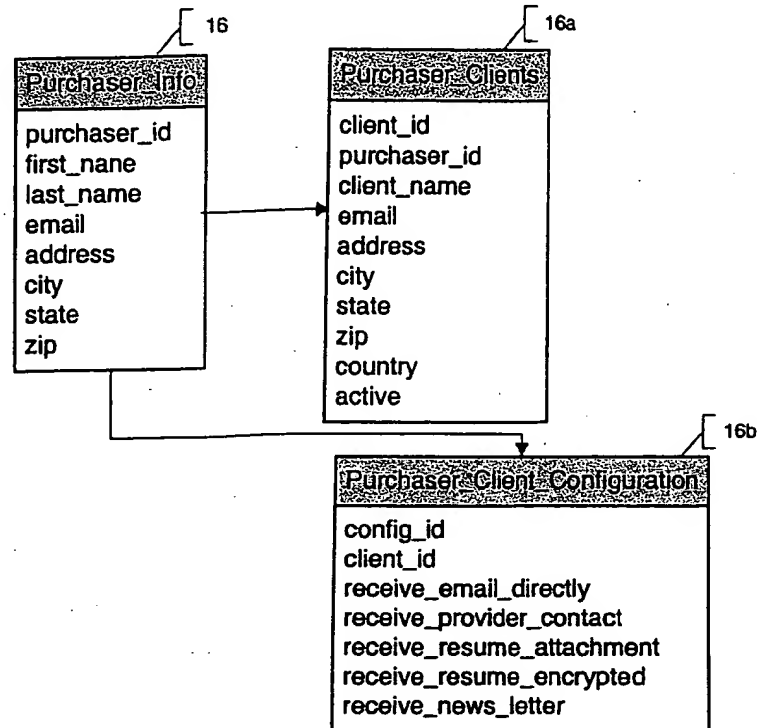
# Database Schema - Purchaser Order Related Objects

Figure 11

**Purchaser Job Order** ⌐ 18

- job_order_id
- job_order_title
- create_date
- modify_date
- client_name
- job_description
- salary_range
- immigration status

**Job Order Technology** ⌐ 18a
- job_order_id
- technology_id

**Job Order Skill** ⌐ 18b
- job_order_id
- skill_id

**Job Order Details** ⌐ 18c
- job_order_id
- active_until
- mandatory

**Job Order Category** ⌐ 18d
- job_order_id
- category_id
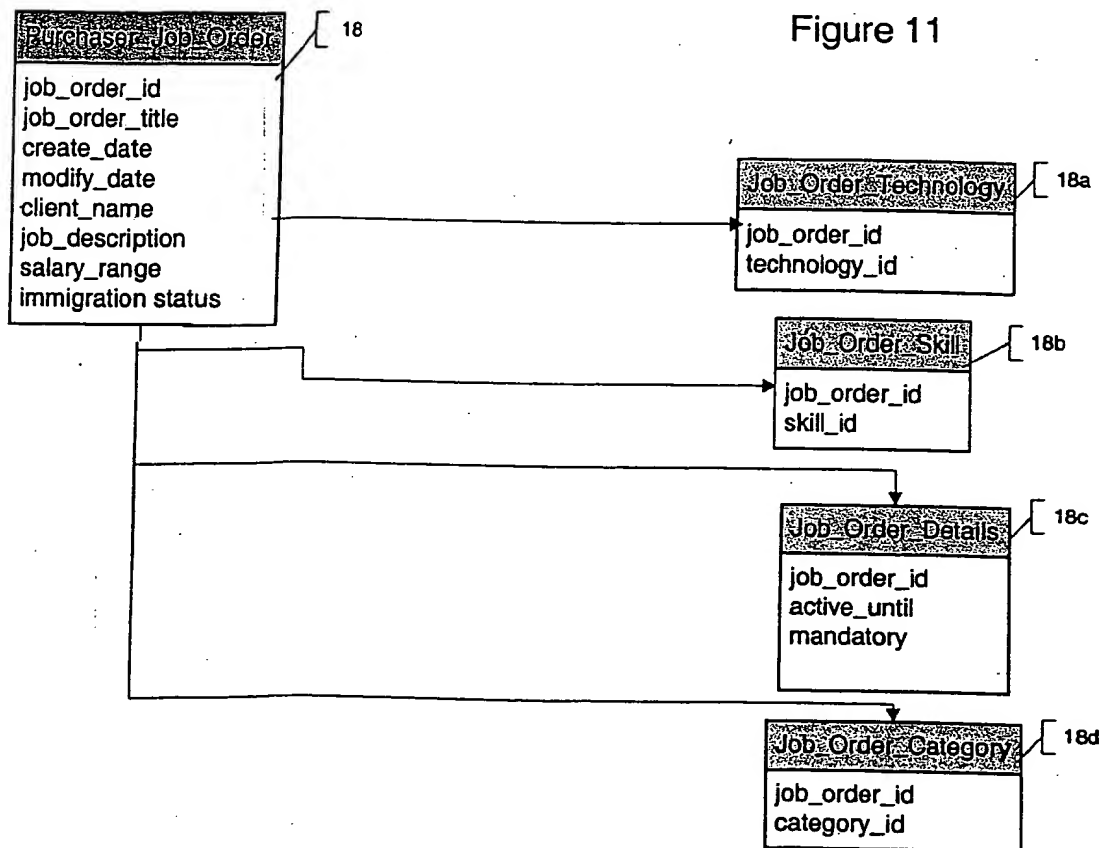
# Database Schema - General Data and Tracking Objects

Figure 12

**Standard Technology**
technology_id
technology_name

**Standard Skills**
skill_id
skill_name

**Technology and Skills**
technology_id
skill_id

**City List**
City_id
City

**Country List**
Country_id
Country

**Region List**
Region_id
Region

**Job Categories**
category_id
category

**Submit Info**
Track_id
Provider_id
Resume_id
Job_order_id
submit_date

**Interview Schedules**
Provider_id
Purchaser_id
Job_order_id
interview_date
interview_method
completed

**Answer Database**
answer_id
question
answer
category

20

**WWW Stats**
stat_id
date_stamp
www_servers
visitors

**Purchaser Stats**
stat_id
purchaser_id
date_stamp
job_order_id

**Provider Stats**
stat_id
provider_id
resume_id
job_order_id
search_keyword

# Database - Accounting Schemas

Figure 13